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CENTRAL INTELLIGENCE AGENCY

REPORT

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INFORMATION FROM
FOREIGN DOCUMENTS OR RADIO BROADCASTS

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DATE OF
INFORMATION 1948

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PUBLISHED Book

DATE DIST. 23 Jul 1951

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NO. OF PAGES 1

DATE
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REPORT NO.

LANGUAGE Russian

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SOURCE Tsiklotron: Sbornik Statey, Gostekhizdat

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INFORMATION ON FOREIGN ARTICLES MAKING UP THE RUSSIAN BOOK "THE CYCLOTRON"

The Russian language book Tsiklotron (The Cyclotron) represents a synthesis of four non-Russian works: three English articles and a French book. It contains no references to Soviet-made cyclotrons.

The translations into Russian were conducted under the editorship of P. A. Cherenkov. The translators from English were I. S. Abramson, N. N. Sobolev, and E. L. Burshteyn; the translator from French was N. I. Dobronravov. The foreword states that the book is designed for scientific research workers, engineers, and student physicists in advanced courses. Eight thousand copies at 10 rubles each were issued.

The four works translated are as follows:

1. "The Cyclotron," an article by M. S. Livingston appearing in the Journal of Applied Physics, 1944, on cyclotron techniques employed in American laboratories.
2. "The Focusing and Maximum Energy of Ions in the Cyclotron," an article by M. E. Rose in Physical Review, Vol LIII, 392, 1938 on the theory of the cyclotron.
3. "The Ion Source for the Cyclotron," an article by M. S. Livingston in the Review of Modern Physics, Vol XVIII, No 3, 1946.
4. "Le Cyclotron," a book by M. E. Nahmias which was written in 1941-42 and published in 1945 as part of the series Editions de la Revue d'Optique, theorique et instrumentale.

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